



CaMKI β Monoclonal Antibody

Catalog No	YP-mAb-14691
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PNCK
Immunogen	The antiserum was produced against synthesized peptide derived from human CaMK1-beta. AA range:161-210
Specificity	CaMKI β Monoclonal Antibody detects endogenous levels of CaMKI β protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	BSTK3;Calcium/calmodulin-dependent protein kinase type 1B;CaM KI beta;CaM kinase I beta;Ca;CaMKI β ;PNCK;CaM kinase IB;CaM-KI beta;CaMKI-beta;Pregnancy up-regulated non-ubiquitously-expressed CaM kinase
Observed Band	38kD
Calculated Molecular Weight	38kD
Cell Pathway	Cytoplasm . Nucleus .
Tissue Specificity	Brain,Liver,Placenta,Thalamus,
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,enzyme regulation:Activated by Ca(2+)/calmodulin.,function:Calcium/calmodulin-dependent protein kinase belonging to a proposed calcium-triggered signaling cascade. In vitro phosphorylates CREB1 and SYN1/synapsin I. Phosphorylates and activates CAMK1.,PTM:Phosphorylated by CAMKK1.,similarity:Belongs to the protein kinase superfamily.,similarity:Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. CaMK subfamily.,similarity:Contains 1 protein kinase domain.,



Background

PNCK is a member of the calcium/calmodulin-dependent protein kinase family of protein serine/threonine kinases (see CAMK1; MIM 604998) (Gardner et al., 2000 [PubMed 10673339]).[supplied by OMIM, Mar 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

